

IN THE CLAIMS

1. (currently amended) A receiving apparatus ~~for a digital broadcasting~~ for receiving a digital broadcasting which ~~is transmitted by~~ comprises a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding ~~said the~~ transport stream;

a digital interface for mutually transmitting the decoded transport stream to and receiving the decoded transport stream ~~to/from~~ digital signal processing devices; and

a register for selecting a predetermined number of devices from among a plurality of digital signal processing devices connected to said digital interface and for allocating identification numbers to said selected devices, for each of said selected devices, said register storing a record of said identification number allocated to said selected device and maintaining said record regardless of whether said selected device remains connected to said digital interface.

2. (canceled)

3. (currently amended) An apparatus according to claim 1, wherein said register confirms whether ~~the a device which is connected to said digital interface~~ has already been registered allocated together with the an identification number ~~or not when said digital signal processing device is connected to said digital interface.~~

4. (currently amended) An apparatus according to claim 1, wherein said register automatically ~~registers~~ allocates said identification members to said predetermined number of devices which were first connected to said digital interface from among the said plurality of digital signal processing devices connected to said digital interface.

5. (currently amended) An apparatus according to claim 1, wherein said records stored in said register ~~can~~

~~change the contents~~ may be changed ~~of registration by a user~~
input.

6. (currently amended) An apparatus according to claim 1, wherein, when said identification numbers have previously been allocated to in case of said predetermined number of the devices in which a program recording reservation has been set or the connected devices among the equipment which have previously been registered, said register prohibits a cancellation of a registrationsaid records stored in said register.

7. (currently amended) An apparatus according to claim 1, further comprising a display processing circuit for displaying a list of said ~~registered~~ selected devices.

8. (currently amended) An apparatus according to claim 7, wherein said display processing circuit ~~for displaying the list of said registered devices is operable to visually discriminate between displays so that the devices connected to said digital interface and the devices which are not connected to said digital interface from among said selected devices~~ the registered devices can be visually discriminated.

9. (currently amended) An apparatus according to claim 7, wherein, ~~in the case where~~ when an operation ~~of the registration is performed to change said record of a the~~ devices in which a program recording reservation has been set ~~or the connected devices among the devices which have previously been registered by said register~~, said display processing circuit ~~performs~~ generates a predetermined warning display.

10. (currently amended) An apparatus according to claim 1, further comprising display means for displaying a selection screen to select a devices from among said selected devices. ~~said registered devices~~.

11. (currently amended) A ~~recognizing~~ method of

recognizing a plurality of digital signal processing devices connected to a digital broadcasting receiving apparatus through a digital interface, comprising:

~~a selecting step of selecting a predetermined number of devices from a among the plurality of digital signal processing devices which are connected to said the digital interface; and~~

~~a registering step of allocating identification numbers to the said devices selected devices in said selecting step,~~

wherein said registering step including allocating an identification number to each of said selected devices and, for each of said selected devices, storing a record of said identification number for said selected device regardless of whether said selected device has been connected to the digital interface.

12. (canceled)

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13. (currently amended) A method according to claim 11, wherein ~~in~~ said registering step further includes confirming ~~when said digital signal processing device is connected to said digital interface, whether the a device to be connected to the digital interface has already been registered together associated with the an identification number or not is confirmed.~~

14. (currently amended) A method according to claim ~~12~~11, wherein ~~in~~ said registering step further includes automatically allocating said identification numbers to said predetermined number of devices which were first connected to the digital interface from among said the plurality of devices connected to said the digital interface are automatically registered.

15. (currently amended) A method according to claim 11, wherein ~~in~~ said registering step, ~~the contents of registration~~

~~can be changed by~~ further includes determining the identification number allocated to said selected device based on a user input.

16. (currently amended) A method according to claim 11, wherein ~~in said registering step, in case of the devices in which a program recording reservation has been set or the connected devices among the devices which have previously been registered. a cancellation of a registration is prohibited~~ further includes prohibiting cancellation of said stored records.

17. (currently amended) A method according to claim 11, further comprising ~~a display processing step of displaying a list of said registered~~selected devices.

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18. (currently amended) A method according to claim 17, wherein ~~in said display processing step of displaying~~ step includes displaying the list of said registered selected devices, said list is displayed so that the so as to visually discriminate between devices connected to said the digital interface and the devices which are not connected to the digital interface among the registered devices can be visually discriminated.

19. (currently amended) A method according to claim 17, wherein ~~in said displaying processing step, further includes generating a predetermined warning display in the case where a changing operation of the registration when a change is made to said record of a device is performed to the devices in which a program recording reservation has been set or the connected equipment among the devices which have previously been registered in said register, a predetermined warning display is performed~~ an identification number has been allocated.

20. (currently amended) A method according to claim 11, further comprising ~~a display processing step of displaying a selection screen that allows to selection of devices from among~~

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concl.* said ~~registered~~ selected devices.
